

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	6185	(copper adj loss or iron adj loss)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/26 06:42
L5	615335	(recovery or regenerat\$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/26 06:42
L6	15406	(vector adj control or field adj orient\$2)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/26 06:42
L7	118	L4 and L6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/26 06:42
L8	32	L5 and L7	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/26 07:17
L9	2342	"363"/\$.ccls. and (regenerative or recovery)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/26 06:54
L10	181	"363"/\$.ccls. and (regenerative or recovery) and (DC adj link or D-link)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/26 06:53
L11	371	"363"/\$.ccls. and (regenerative or recovery).ab.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/26 07:00
L12	4087603	(motor or machine or load)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/26 06:55
L13	327	L11 and L12	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/26 06:55
L14	0	"363"/\$.ccls. and (regenerative or recovery).ab. and (resistor adj (bank or grid))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/26 07:04
L15	3	"363"/\$.ccls. and (regenerative or recovery) and (resistor adj (bank or grid))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/26 07:01
L16	11	"318"/\$.ccls. and (regenerative or recovery).ab. and (resistor adj (bank or grid))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/26 07:09
L17	1	(regenerative).ab. and (resistor adj (bank or grid)) near8 (switch\$4 or transistor or mosfet or FET or contact)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/26 07:12

## EAST Search History

L18	4	(regenerative) and (resistor adj (bank or grid)) near8 (switch\$4 or transistor or mosfet or FET or contact)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/26 07:16
L19	242	(resistor adj (bank or grid)) near8 (switch\$4 or transistor or mosfet or FET or contact)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/26 07:16
L20	2	L6 and L19	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/26 07:19
L21	177	L12 and L19	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/26 07:23
L22	2	("6591758" or "6027975").pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/26 07:25
L23	2	("6591758" or "6027897").pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/26 07:25
S1	52031	inverter and motor	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/24 12:51
S3	467957	(dq or iq or id or q-axis or d-axis or dq-axis)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/24 12:52
S4	3499	S1 and S3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/24 12:52
S5	6182	(copper adj loss or iron adj loss)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/24 14:17
S6	142	S4 and S5	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/24 12:54
S8	615009	(recovery or regenerat\$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/24 12:54
S9	33	S6 and S8	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/24 13:02
S10	1	resistor-on-judgment	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/24 13:02
S11	11	resistor adj2 judgment	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/24 13:46

## EAST Search History

S12	1	"2001095300"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/24 13:46
S13	23	("4361791"   "4450395"   "4649331"   "4703245"   "4703246"   "5006768"   "5247237"   "5296794"   "5448150"   "5504404").PN. OR ("5652495"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/24 13:48
S14	142	S1 and S6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/24 14:07
S15	14588	(vector adj control or field adj oriented)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/24 14:08
S16	15397	(vector adj control or field adj orient\$2)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/24 14:08
S17	118	S5 and S16	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/24 14:08
S18	32	S8 and S17	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/24 14:09
S19	541	(copper adj loss and iron adj loss)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/24 14:17
S20	63	S3 and S19	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/24 14:22
S21	3341	motor adj temperature	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/24 14:23
S22	252	S3 and S21	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/24 14:23
S24	72	S1 and S22	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/24 14:24

## EAST Search History

S25	209	("5614803" "5644238" "5461290" "5471123" "5488275" "5543694" "5457364" "4309097" "4757869" "4319175" "4831300" "4965710" "5243732" "5835361" "6124998" "4513342" "5361021" "5686839" "5778997" "5998955" "6218760" "6218760" "4388569" "4401419" "4409528" "4430682" "4477761" "4780658" "5485070" "5498946" "5602708" "5617503" "5659234" "5663631" "5804935" "5898289" "6005358" "6008597" "6081083" "6150799" "6194792" "4319170" "4338525" "4338552" "4345483" "4406962" "4450392" "4456830" "4458182" "4461937" "4465943" "4475151" "4490666" "4543519" "4549412" "4553197" "4562389" "4567555" "4616165" "4754828" "4761588" "4762194" "4763050" "4763051" "4789040" "4798999" "4817371" "4833388" "4837690" "4849889" "4851763" "4862366" "4884183" "4896084" "4901366" "4975608" "4977356" "5005115" "5005207" "5016133" "5246082" "5270624" "5276405" "5289099" "5304911" "5309349" "5389869" "5418399" "5498947" "5548199" "5568052" "5569989" "5630404" "5637990" "5642247" "5661386" "5670863" "5710506" "5712548" "5721474" "5767652" "5776098" "5786679" "5801508" "5805396" "5816358" "5841649" "5841641" "5854584" "5906098" "5942806" "5952811" "5959426" "5962990" "5981922" "6008617" "6013994" "6016677" "6051951" "6062123" "6094952" "6104151" "6144540" "6166929" "6172509" "6184638" "6212923" "4266177" "4283260" "4284938" "4291302" "4292578" "4292531" "4295782" "4309622" "4327310" "4327391" "4336001" "4336484" "4345288" "4347918" "4349772" "4357729" "4359871" RE31216 "4394765" "4396877" "4400655" "4420185" "4422918" "4426605" "4441068" "4447858" "4448410" "4450517" "4452445" "4454564" "4454463" "4461958" "4468171" "4469997" "4472663" "4479844" "4484128" "4487173" "4488101" "4489259" "4491775" "4494050" "4511835" "4511834" "4514670" "4514667" "4526401" "4528486" "4532013" "4537480"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/24 15:06
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## EAST Search History

S26	48052	(voltage adj compar\$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/24 14:42
S27	1	S1 and S16 and S19 and S26	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/24 14:42
S28	2	S19 and S25	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/24 15:05
S29	1	"4649331".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/25 23:08
S30	318	(current adj limiter) and ((resistor adj (bank or grid)) or grid)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/25 23:23
S31	468352	(dq or iq or id or q-axis or d-axis or dq-axis)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/25 23:11
S32	37	S30 and S31	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/25 23:11
S33	15406	(vector adj control or field adj orient\$2)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/25 23:13
S34	1	S30 and S33	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/25 23:13
S35	52055	inverter and motor	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/25 23:22
S36	107	(current adj limit\$4) and (resistor adj (bank or grid))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/25 23:28
S37	7	S31 and S36	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/25 23:28
S38	1	S33 and S36	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/25 23:28
S39	25	(current adj limit\$4) near8 (d-axis or d adj axis or daxis)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/25 23:29
S40	163	(current adj limit\$4) near8 (d-axis or d adj axis or daxis or dq or id)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/25 23:29

## EAST Search History

S41	14	S33 and S40	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/26 06:41
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